

YERALA-I : APRIL/ MAY 2012 (2009 Course)  
SUBJECT : NAMRUPA VIGYANAM : PAPER-I

Day : Friday  
Date : 01.06.2012

Time : 10.00 A.M. To 1.00 P.M.  
Max. Marks : 100.

**N.B.:**

- 1) All questions are **COMPULSORY**.
- 2) Figures to the **RIGHT** indicate full marks.
- 3) Draw neat labeled diagrams wherever necessary.

*Dravya*

**Long Essay Question**

(1 × 25 marks)

- Q.1** Methods of Standardization of crude drugs as per Ayurvedic Pharmacopoeia of India (API).

**Short Essay Questions**

(2 × 12.5 marks)

- Q.2** Describe the reason of controversy and list of plants in the title of 'Pashanabheda.'  
**Q.3** Describe the basis of classification of Dravya according to Bhavaprakasha.

**Write short notes on**

(10 × 5 marks)

- Q.4** Environmental factors affecting qualities of crude drugs.  
**Q.5** Objective of Dravya-Rupagyana.  
**Q.6** Good cultivation practices of ASU drugs  
**Q.7** External morphology of Vasa  
**Q.8** External morphological characters of two species used in the name of Punarnava.  
**Q.9** Synonyms of Gambhari and their derivations.  
**Q.10** Anukta dravya.  
**Q.11** TKDL.  
**Q.12** Unorganized drugs.  
**Q.13** Good herbarium technique.

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YERALA-I : APRIL/ MAY 2012 (2009 course)  
SUBJECT : GUNAKARMA VIGYANAM : PAPER-II

Day : Saturday  
Date : 02-06-2012

Time : 10.00 A.M. To 1.00 P.M.  
Max. Marks : 100.

**N.B.:**

- 1) All questions are **COMPULSORY**.
- 2) Figures to the **RIGHT** indicate full marks.
- 3) Draw neat labeled diagrams wherever necessary.

Pranya

**Long Essay Question**

(1 × 25 marks)

- Q.1** Write definition of karma. Explain Karmaprakriya and importance of experimental pharmacology in context to dravyaguna with examples.

**Short Essay Questions**

(2 × 12.5 marks)

- Q.2** Describe upalabdhi of Rasa, Vipaka and Veerya with examples.
- Q.3** Write about Rasa Prayog krama in Vyadhi Avastha with reference to Vata, Pitta and Kapha dosha.

**Write short notes on**

(10 × 5 marks)

- Q.4** Rasayana karma.
- Q.5** Applied aspect of Paradi guna.
- Q.6** Gunakarma of Eranda.
- Q.7** Acute toxicity study.
- Q.8** Prabhava-Vichitra pratyayarabdhatva.
- Q.9** Experimental and clinical research on Haritaki.
- Q.10** Herbal extracts.
- Q.11** Clinical application of Snigdha and Ushna guna.
- Q.12** Yogavahi karma with example.
- Q.13** Importance of Aharvarga.

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YERALA-I : APRIL/ MAY 2012  
SUBJECT : PRAYOGAVIDYAN : PAPER-III

(2009 Course)

Day : Monday  
Date : 04.06.2012

Time : 10.00 A.M. To 1.00 P.M.  
Max. Marks : 100.

**N.B.:**

- 1) All questions are **COMPULSORY**.
- 2) Figures to the **RIGHT** indicate full marks.
- 3) Draw neat labeled diagrams wherever necessary.

Prayoga

**Long Essay Question**

(1 × 25 marks)

**Q.1** Explain the mode of action of drugs for the following karmas by citing example two drugs in each.

- i) Bhedan                      ii) Vajikarana                      iii) Rasayana.

**Short Essay Questions**

(2 × 12.5 marks)

**Q.2** Write Amayik prayog of Triphala.

**Q.3** Bharangi Nagarayoh kalkam tamake.

**Write short notes on**

(10 × 5 marks)

**Q.4** Bhaishajya marga.

**Q.5** Define Adverse Drug Reaction (ADR) and differentiate it from Side effect.

**Q.6** Protocol designing for clinical trial.

**Q.7** Amayika prayoga of Sariva.

**Q.8** Pathyapathya.

**Q.9** Amayika Prayoga of Nirgundi.

**Q.10** Bioethics.

**Q.11** Drug incompatibility.

**Q.12** Shodhana of Vatsanabha.

**Q.13** Mustaparpatakam jvare.

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YERALA-I : APRIL/ MAY 2012 (2009 Course)  
SUBJECT : NIGHANTU PARICHAYA YOGAVIGYANAM : PAPER-IV

Day : Tuesday  
Date : 05-06-2012

Time : 10.00 A.M. TO 1.00 P.M.  
Max. Marks : 100.

**N.B.:**

- 1) All questions are **COMPULSORY**.
- 2) Figures to the **RIGHT** indicate full marks.
- 3) Draw neat labeled diagrams wherever necessary.

Dravya

**Long Essay Question**

(1 × 25 marks)

- Q.1** Describe in brief the evolution of Dravyaguna shastra from Vedic kala to Adhunik kala.

**Short Essay Questions**

(2 × 12.5 marks)

- Q.2** Write salient features of Dhanvantari Nighantu.
- Q.3** Write the contents and importance of Ayurvedic pharmacopoeia of India.

**Write short notes on**

(10 × 5 marks)

- Q.4** Ashtang Nighantu.
- Q.5** General idea about Neutraceuticals.
- Q.6** Importance of Madanpal Nighantu.
- Q.7** Standardization of Asava kalpana.
- Q.8** Need of Drugs and cosmetic acts.
- Q.9** Hingavashtak churna.
- Q.10** Intellectual Property Right (IPR)
- Q.11** Shadarasa Nighantu.
- Q.12** Contribution of Dalhan in Dravyaguna.
- Q.13** Kanchanar guggulu.

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**YERALA (2012 COURSE): SUMMER – 2015**  
**SUBJECT: PAPER – II**  
**GUNA KARMA VIGYAN (AYURVEDIC & MODERN PHARMACOLOGY)**

Day: **Tuesday**  
Date: **09-06-2015**

Time: **10.00 A.M. To 1.00 P.M.**  
Max. Marks: 100

**N.B.:**

31) Draw neat diagrams **WHEREVER** necessary.

~~Rasasasthra~~  
(Dravya Guna)

**Long Answer Question (LAQ) (Any THREE out of FOUR) 3 × 20 = 60 Marks**

- Q.1** Explain the difference between Nishthapaka and Prapaka and define Vipaka according to Ancient and Modern View.
- Q.2** Write clinical importance of following Karmas:  
i) Madakari ii) Pramathi  
iii) Grahi iv) Stambhan
- Q.3** Explain importance of Paradi guna and its applied aspect.
- Q.4** Write Rasapanchaka, action and modern research done on Arjuna and Punarnava.

**Short Answer Question (SAQ) (Any TWO out of THREE) 2 × 10 = 20 Marks**

- Q.5** Describe Atiyoga Lakshana of Shadarasa.
- Q.6** Write the name of dravyas in Panchvalkala and Panchpallava with their properties and action.
- Q.7** Explain importance of experimental study.

**Short notes ( Any FOUR out of FIVE) 4 × 5 = 20 Marks**

- Q.8** Samanpratyyarabhdhatwa and Vichitra Pratyayarabhdhatwa.
- Q.9** Importance of Ahara dravya.
- Q.10** Purification of Bhallataka.
- Q.11** Pharmacodynamics.



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RAVI (2012 COURSE): SUMMER – 2015  
SUBJECT : PAPER – II: DRAVYAGUNA VIGYAN

Day : Wednesday  
Date : 10-06-2015

Time : 10:00 A.M. To 1:00 P.M.  
Max. Marks : 100

**N.B.:**

- 1) All questions are **COMPULSORY**.
- 2) Figures to the right indicate **FULL** marks.
- 3) Draw neat diagram **WHEREVER** necessary.
- 4) Answers to both the sections should be written in the **SEPARATE** answer books.

**SECTION – I**

- Q.1** Explain the applied aspect of Bhaishajya seven kala in Chikitsa. [15]
- Q.2** Explain the importance of Agrya Aushadha and it's applied aspects in Chikitsa. [15]
- Q.3** Write down the importance of experimental pharmacology. [10]
- Q.4** Write short notes on **ANY TWO** of the following: [10]
- a) Paradi guna
  - b) Morphological features of Shatavari
  - c) Rasa prayoga krama in Ahar

**SECTION – II**

- Q.5** Write in detail about Matravichar and its importance in Chikitsa. [15]
- Q.6** Explain the applied aspect of Sanshaman karma in Chikitsa. [15]
- Q.7** Write down the applied aspect of Vipaka. [10]
- Q.8** Write short notes on **ANY TWO** of the following: [10]
- a) Good storage practices
  - b) ADR
  - c) Virya Uplabdhhi

**YERALA (2012 COURSE): SUMMER – 2015**  
**SUBJECT: PAPER – I**  
**NAMARUPA VIGYANA (AYURVEDA & MODERN PHARAMCOGNOSY)**

Day: **Monday**  
Date: **08-06-2015**

Time: **10:00 A.M. TO 1:00 P.M.**  
Max. Marks: 100

**N.B.:**

- 1) Draw neat diagrams **WHEREVER** necessary.

**Long Answer Question (LAQ) (Any THREE out of FOUR) 3 × 20 = 60 Marks**

- Q.1** Explain the parameters of nomenclature and synonyms of drugs according to Samhita and Raj Nighantu.
- Q.2** Elaborate macroscopic and microscopic characteristics features of Ashvagandha and Guduchi.
- Q.3** Write the importance of Namarupa Vigyan for Anukta dravya with examples.
- Q.4** Write four synonyms with their meaning of following drugs:  
i) Manjishtha                      ii) Sariva                      iii) Punaruava  
iv) Sarpagandha                      v) Ashoka

**Short Answer Question (SAQ) (Any TWO out of THREE) 2 × 10 = 20 Marks**

- Q.5** Describe biodiversity and endangered medicinal species.
- Q.6** Write morphological characteristics of Majuphala and Karkatshruni
- Q.7** Explain Quality control mentioned in Ayurved.

**Short notes ( Any FOUR out of FIVE) 4 × 5 = 20 Marks**

- Q.8** TKDL
- Q.9** Controversy of Pashanbhed
- Q.10** Intellectual property rights
- Q.11** Substitutes for Ashtavarga with their Botanical name and family
- Q.12** Importance of Ash value and moister content of drug.

**YERALA (2012 COURSE): SUMMER – 2015**  
**SUBJECT: PAPER – III**  
**PRAYOGAVIGYANA (PHARMACOTHERAPEUTICS / CLINICAL**  
**PHARMACOLOGY)**

Day: *Thursday*  
Date: *11-06-2015*

Time: *10:00 A.M. To 1:00*  
Max. Marks: 100 *P.M.*

**N.B.:**

31) Draw neat diagrams **WHEREVER** necessary.

**Long Answer Question (LAQ) (Any THREE out of FOUR) 3 × 20 = 60 Marks**

- Q.1** Write in detail Ayurvedic and Modern concept of Matravichar with example.
- Q.2** Explain mode of action of two-two drugs in following vyadhi.  
Atisar, Kushtha, Tamakashwasa
- Q.3** Explain the different Amayik prayoga of Maricha and Kumari in various disorders.
- Q.4** Define Anupana and its importance in Ayurveda.

**Short Answer Question (SAQ) (Any TWO out of THREE) 2 × 10 = 20 Marks**

- Q.5** Write brief note on Pharmacogenomics.
- Q.6** Explain Charakokta Aushadha Sevankala.
- Q.7** Elaborate adverse drug reactions (ADR) and its importance.

**Short notes (Any FOUR out of FIVE) 4 × 5 = 20 Marks**

- Q.8** Punarnava- Shothaghna
- Q.9** Therapeutic uses of Shulaprashaman Mahakashaya.
- Q.10** Importance of Good clinical Practices.
- Q.11** Importance of Pharmacovigilance.



**YERALA (2012 COURSE): SUMMER – 2015**  
**SUBJECT: PAPER – III**  
**PRAYOGAVIGYANA (PHARMACOTHERAPEUTICS / CLINICAL**  
**PHARMACOLOGY)**

Day: *Thursday*  
Date: *11-06-2015*

Time: *10:00 A.M. To 1:00*  
Max. Marks: 100 *P.M.*

**N.B.:**

31) Draw neat diagrams **WHEREVER** necessary.

**Long Answer Question (LAQ) (Any THREE out of FOUR) 3 × 20 = 60 Marks**

- Q.1** Write in detail Ayurvedic and Modern concept of Matravichar with example.
- Q.2** Explain mode of action of two-two drugs in following vyadhi.  
Atisar, Kushtha, Tamakashwasa
- Q.3** Explain the different Amayik prayoga of Maricha and Kumari in various disorders.
- Q.4** Define Anupana and its importance in Ayurveda.

**Short Answer Question (SAQ) (Any TWO out of THREE) 2 × 10 = 20 Marks**

- Q.5** Write brief note on Pharmacogenomics.
- Q.6** Explain Charakokta Aushadha Sevankala.
- Q.7** Elaborate adverse drug reactions (ADR) and its importance.

**Short notes (Any FOUR out of FIVE) 4 × 5 = 20 Marks**

- Q.8** Punarnava- Shothaghna
- Q.9** Therapeutic uses of Shulaprashaman Mahakashaya.
- Q.10** Importance of Good clinical Practices.
- Q.11** Importance of Pharmacovigilance.
- Q.12** Prescription writing.

**YERALA (2012 COURSE): SUMMER – 2015**  
**SUBJECT: PAPER – IV**  
**NIGHANTO & YOGA VIGYANA (MATERIA MEDICA & FORMULATIONS)**

Day: Friday  
Date: 12-06-2015

Time: 10:00 A.M. To 1:00  
Max. Marks: 100 P.M.

**N.B.:**

- 31) Draw neat diagrams **WHEREVER** necessary.

**Long Answer Question (LAQ) (Any THREE out of FOUR) 3 × 20 = 60 Marks**

- Q.1** Write specialty and importance of Dhanvantari Nighantu and Raj Nighantu in the field of Dravyaguna.
- Q.2** Describe the principles and importance of Sandhan Kalpana.
- Q.3** Describe Nutraceuticals and Cosmoceuticals in detail.
- Q.4** Write ingredients, process, dose and indication of following kalpa-  
Sitopaladi churna, Arjuna Kshirpaka, Triphala Mashi, Narikel Lavana.

**Short Answer Question (SAQ) (Any TWO out of THREE) 2 × 10 = 20 Marks**

- Q.5** Write importance and detail about Snehakalpana.
- Q.6** Write contribution of Bapala Vaidhya in the field of Dravyaguna Vigyan.
- Q.7** Write importance of Panchavidha Kashay Kalpana.

**Short notes ( Any FOUR out of FIVE) 4 × 5 = 20 Marks**

- Q.8** CCRAS
- Q.9** Coloring agents.
- Q.10** Author and specialty of Nighantu Adarsh.
- Q.11** Food Addictives
- Q.12** Method of preparation of Herbal extracts.

**KULABA: (2012 COURSE): SUMMER – 2015**  
**SUBJECT: PAPER – IV: PHARMACOLOGY AND PHARMACY MANAGEMENT**

Day: Friday  
Date: 12-06-2015

Time: 10.00 A.M. To 1.00 P.M.  
Max. Marks: 100

**N.B.:**

- 1) Draw neat labeled diagrams **WHEREVER** necessary.

**Long Answer Questions (LAQ) 3 × 20 = 60 marks (Any THREE out of FOUR)**

- Q.1** Write in brief about concept of Bioavailability and Bioequivalence with specific examples. Write about Bioassay techniques used for In-Vitro, In-vivo and cell line studies.
- Q.2** Discuss elemental constituents of human body. Write a brief note on utility of Iron and Calcium in humans.
- Q.3** Explain with examples factors modifying drug effects.
- Q.4** Describe phases and methods of clinical research. Write in short about ethics involved in human research.

**Short Answer Questions (SAQ) 2 × 10 = 20 marks (Any TWO out of THREE)**

- Q.5** Write a short essay on packaging materials and labelling norms.
- Q.6** Define Misbranded, Adulterated and Spurious Ayurvedic medicines as per Drugs and Cosmetic Act 1940 and discuss in brief about its implications.
- Q.7** Define pharmacovigilance and discuss pharmacovigilance programme for Ayurvedic medicines.

**Short Notes 4 × 5 = 20 marks ( Any FOUR out of FIVE)**

- Q.8** Concept of Pharmacodynamic
- Q.9** Patenting
- Q.10** Community Pharmacy
- Q.11** Advantages of Traditional knowledge Digital Library
- Q.12** Ayurvedic formulary of India

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**HINDOLA (2009 COURSE) : SUMMER - 2015**  
**SUBJECT : AUSHADHA YOGA VIGYANAM PAPER-IV**

Day : **Friday**  
Date : **12-06-2015**

Time : **10.00 A.M. To 1.00 P.M.**  
Max. Marks : 100.

**N.B.:**

- 1) All questions are **COMPULSORY**.
- 2) Figures to the **RIGHT** indicate full marks.
- 3) Draw neat and labeled diagrams **WHEREVER** necessary.

**Long Easy Questions:**

(1 × 25 marks)

- Q.1 Describe Charakokta Vishaghna Dashemani in detail.

**Short Easy Questions:**

(2 × 12 1/2 marks)

- Q.2 Describe in detail the preparation, indications, dosage and mechanism of action of 'Hemagarbha Pottali.'
- Q.3 Define antidotes as per Ayurved and Modern science.

**Write short notes on:**

(10 × 5 marks)

- Q.4 Hyperbaric oxygen
- Q.5 A.S.V.
- Q.6  $KMnO_4$
- Q.7 Mrit Sanjeevani Gutika
- Q.8 Gudoochayadi Kashayam
- Q.9 Sameer Pannag
- Q.10 DMSA
- Q.11 Atropine
- Q.12 Dashang Dhoopa
- Q.13 Spectrophotometer

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